

Amendments to the Claims

Claim 1 (Currently Amended): A composition for preventing or treating cancer in a subject wherein the composition comprises an isolated MUC1 cytoplasmic tail peptide consisting of,
~~wherein the sequence of the MUC1 cytoplasmic tail peptide is~~ selected from the group consisting of SEQ ID NO: 3, SEQ ID NO: 4, SEQ ID NO: 5, SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8, SEQ ID NO: 9, SEQ ID NO: 10, SEQ ID NO: 11, SEQ ID NO: 12, SEQ ID NO: 13, SEQ ID NO: 14, ~~SEQ ID NO: 15,~~ SEQ ID NO: 16, SEQ ID NO: 17, SEQ ID NO: 18, SEQ ID NO: 19, SEQ ID NO: 20, SEQ ID NO: 21, SEQ ID NO: 22, SEQ ID NO: 23, SEQ ID NO: 24, SEQ ID NO: 25, SEQ ID NO: 26, SEQ ID NO: 27, SEQ ID NO: 28, SEQ ID NO: 29, SEQ ID NO: 30, SEQ ID NO: 31, SEQ ID NO: 32, SEQ ID NO: 33, SEQ ID NO: 35, SEQ ID NO: 36, SEQ ID NO: 37, SEQ ID NO: 38, SEQ ID NO: 39, SEQ ID NO: 40, SEQ ID NO: 41, SEQ ID NO: 42, SEQ ID NO: 43, SEQ ID NO: 44, SEQ ID NO: 45, SEQ ID NO: 46, SEQ ID NO: 47, SEQ ID NO: 48, and SEQ ID NO: 49.

Claim 2 (Withdrawn): A method for preventing or treating cancer in a subject comprising administering to a subject an effective amount of a composition of claim 1 so that cancer is prevented or treated in the subject.

Claim 3 (Cancelled)

Claim 4 (Previously Presented): A vaccine for preventing or treating cancer in a subject, the vaccine comprising the composition of claim 1.

Claim 5 (Currently Amended): A composition for preventing or treating cancer in a subject wherein the composition comprises an isolated MUC1 cytoplasmic tail peptide consisting of,
~~wherein the sequence of the MUC1 cytoplasmic tail peptide is~~ selected from the group consisting of SEQ ID NO: 47, SEQ ID NO: 48, and SEQ ID NO: 49.

Claim 6 (Previously Presented): The composition of claim 5, wherein said sequence of the MUC1 cytoplasmic tail peptide is SEQ ID NO: 47.

Claim 7 (Previously Presented): The composition of claim 5, wherein the composition comprises the MUC1 cytoplasmic tail peptide of SEQ ID NO: 47, the MUC1 cytoplasmic tail peptide of SEQ ID NO: 48, and the MUC1 cytoplasmic tail peptide of SEQ ID NO: 49.

Claim 8 (Currently Amended): The composition of claim 1, wherein said sequence of the MUC1 cytoplasmic tail peptide is selected from the group consisting of SEQ ID NO: 10, SEQ ID NO: 11, SEQ ID NO: 13, ~~SEQ ID NO: 15,~~ SEQ ID NO: 20, SEQ ID NO: 23, SEQ ID NO: 27, SEQ ID NO: 33, SEQ ID NO: 35, SEQ ID NO: 36, SEQ ID NO: 37, SEQ ID NO: 38, SEQ ID NO: 40, and SEQ ID NO: 44.

Claim 9 (Withdrawn): A method for preventing or treating cancer in a subject comprising administering to a subject an effective amount of a composition of claim 5 so that cancer is prevented or treated in the subject.

Claim 10 (Withdrawn): A method for preventing or treating cancer in a subject comprising administering to a subject an effective amount of a composition of claim 6 so that cancer is prevented or treated in the subject.

Claim 11 (Withdrawn): A method for preventing or treating cancer in a subject comprising administering to a subject an effective amount of a composition of claim 7 so that cancer is prevented or treated in the subject.

Claim 12 (Withdrawn): A method for preventing or treating cancer in a subject comprising administering to a subject an effective amount of a composition of claim 8 so that cancer is

prevented or treated in the subject.